

# Search History - east

L Number	Hits	Search Text	DB	Time stamp
1	5351	((426/601-610) or (554/227) or (514/784-786)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/12 08:39
2	3834	MCT or medium adj chain adj fatty or medium adj chain adj triglyceride	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/12 08:51
3	50701	monounsaturated adj4 fatty or oleic or palmitoleic or palmivaccenic or vaccenic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/12 08:53
4	108	((((426/601-610) or (554/227) or (514/784-786)).CCLS.) and (MCT or medium adj chain adj fatty or medium adj chain adj triglyceride) and (monounsaturated adj4 fatty or oleic or palmitoleic or palmivaccenic or vaccenic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/12 08:59
5	557	(MCT or medium adj chain adj fatty or medium adj chain adj triglyceride) and (monounsaturated adj4 fatty or oleic or palmitoleic or palmivaccenic or vaccenic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/12 08:54
6	102	((((426/601-610) or (554/227) or (514/784-786)).CCLS.) and (MCT or medium adj chain adj fatty or medium adj chain adj triglyceride) and (monounsaturated adj4 fatty or oleic or palmitoleic or palmivaccenic or vaccenic)) and @ay<2002	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/12 09:28
7	455	(( (MCT or medium adj chain adj fatty or medium adj chain adj triglyceride) and (monounsaturated adj4 fatty or oleic or palmitoleic or palmivaccenic or vaccenic)) not (((((426/601-610) or (554/227) or (514/784-786)).CCLS.) and (MCT or medium adj chain adj fatty or medium adj chain adj triglyceride) and (monounsaturated adj4 fatty or oleic or palmitoleic or palmivaccenic or vaccenic)) and @ay<2002)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/12 09:28
8	402	(( (MCT or medium adj chain adj fatty or medium adj chain adj triglyceride) and (monounsaturated adj4 fatty or oleic or palmitoleic or palmivaccenic or vaccenic)) not (((((426/601-610) or (554/227) or (514/784-786)).CCLS.) and (MCT or medium adj chain adj fatty or medium adj chain adj triglyceride) and (monounsaturated adj4 fatty or oleic or palmitoleic or palmivaccenic or vaccenic)) and @ay<2002)) and @ay<2002	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/12 09:29

Search History  
FSTA, CAPLUS 8-12-03

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=> s mct and (mlm or mml)

71 MCT

5 MLM

7 MML

L1 0 MCT AND (MLM OR MML)

=> s mct and triglyceride

71 MCT

2295 TRIGLYCERIDE

L2 17 MCT AND TRIGLYCERIDE

=> d l2 all 1-17

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s mct and (mlm or mml)

2338 MCT

284 MLM

279 MML

L3 0 MCT AND (MLM OR MML)

=> s mct and triglyceride

2338 MCT

32416 TRIGLYCERIDE

L4 491 MCT AND TRIGLYCERIDE

=> s l4 and (monounsaturated or mono?unsaturated)

'?' TRUNCATION SYMBOL NOT VALID WITHIN 'MONO?UNSATURATED'

The truncation symbol ? may be used only at the end of a search term. To specify a variable character within a word use '!', e.g., 'wom!n' to search for both 'woman' and 'women'. Enter "HELP TRUNCATION" at an arrow prompt (=>) for more information.

=> s l4 and (monounsaturated or mono(w)unsaturated)

497 MONOUNSATURATED

125347 MONO

51316 UNSATURATED

49 MONO(W)UNSATURATED

L5 1 L4 AND (MONOUNSATURATED OR MONO(W)UNSATURATED)

=> d l5 cbib,ab

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

1998:722114 Document No. 130:65534 Intraparticle Diffusion Limitations in the Hydrogenation of **Monounsaturated** Edible Oils and Their Fatty Acid Methyl Esters. Jonker, G. H.; Veldsink, J. W.; Beenackers, A. A. C. M. (Department of Chemical Engineering, University of Groningen, Groningen, 9747 AG, Neth.). Industrial & Engineering Chemistry Research, 37(12), 4646-4656 (English) 1998. CODEN: IECRED. ISSN: 0888-5885. Publisher: American Chemical Society.

AB Intraparticle diffusion limitation in the hydrogenation and isomerization of fatty acid Me esters (FAMES) and edible oils (triacylglycerol, TAG) in porous nickel catalyst was investigated both under reactive and under inert conditions. Under reactive conditions, the diffusion coeffs. were detd. from the best fits of the model simulations applying the intrinsic reacting kinetics of monounsaturated FAME hydrogenation to expts. under diffusion limited conditions. For  $0.02 < P_{H_2} < 0.50$  MPa, an effective hydrogen diffusion coeff. of  $D_{e,H_2} = (1.6 \pm 0.7) \times 10^{-10}$  m<sup>2</sup>/s (T = 443 K) was obtained in Pricat 9910 (sample 1992). TAG hydrogenations, at  $373 < T < 443$  K and  $0.30 < P_{H_2} < 0.50$  MPa, appear to be limited by